# RDLED4R20D-80YN-B-W





Project:		Type: Date: LED Info			
Prepared	By:				
Driver Info					
Туре:	Constant Current	Watts:	20W		
120V:	0.17A	Color Temp:	3500K		
208V:	0.11A	Color Accuracy:	80 CRI		
240V:	0.10A	L70 Lifespan:	100000		
	0.09A	Lumens:	1,164		
277V:	010071				
277V: Input Watts:	20W	Efficacy:	57 LPW		



# Listings

# UL Listed:

Suitable for wet locations covered ceiling

# Optical

# **Photometrics:**

Photometrics are based on prorated reports. Contact the RAB Lighting Design department for the most upto-date data.

# **Optics:**

80° beam spread with specular thermoplasic optics and Nanostructure lens technology for smooth light output and high efficiency.

# Electrical

# Driver:

ELV, 0-10V and TRIAC Dimming, Constant Current, Class 2, 120V-277V, 50/60Hz, Power Factor 98%, THD  $\leq$  20%.

# **Dimming Driver:**

0 - 10V (at 120-277V), TRIAC and ELV (at 120V only).

# LED Characteristics

# LED:

Long-life, high-output LED module. Binned for natural white light to match incandescent and 3-step MacAdam Ellipse consistency.

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

#### Correlated Color Temp. (Nominal CCT):

3500 Warm/Neutral.

# **Color Consistency:**

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

# **Color Stability:**

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

#### Construction

**Ambient Temperature:** 

Suitable for use in 40°C ambient temperatures.

#### **Cold Weather Starting:**

The minimum starting temperature is -40°C/-40°F

# Trim Ring:

White powder coated die cast trim ring

# Trim Cone:

Black round trim cone.

## Lens:

Nanostructure lens eliminates "hot spots", and helps

provide smooth, uniform light and higher efficiency. Junction Box:

Integral junction box with wiring capacity for Min 90°C supply conductors 2 in 2 out

# Housing:

Professional-grade, die-cast aluminum construction.

# Easy Installation:

Easy installation with ceiling clamps

# Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

# Other

#### Equivalency:

RDLED 20W is equivalent to 100W PAR.

# Absolute White<sup>™</sup>:

A unique binning process designed to match incandescent at each color temperature. It's 3-step consistent, very stable over time and looks the way you expect light to look.

# California Title 24:

RDLED4R20 complies with 2013 California Title 24 building and electrical codes as a residential indoor fixture. It also complies as a commercial indoor fixture for general spaces when used with a vacancy sensor and TRIAC dimming control. Select a vacancy sensor using catalog number LVS800. TRIAC dimmer provided by others.

# Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

# Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

#### **Buy American Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

#### **Recovery Act (ARRA) Compliant:**

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

# **Technical Specifications (continued)**

#### Other

# GSA Schedule:

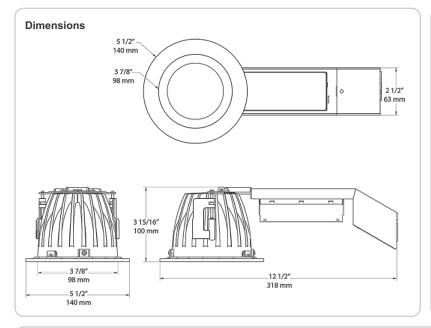
Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

#### Suitable in accordance with FAR Subpart 25.4.



# RDLED4R20D-80YN-B-W



# Features

High performance, high efficiency alternative to incandescent lighting

Integrated ceiling clamps make installation fast and secure for ceiling up to 1 1/4" thick

Nanostructure lens eliminates "hot spots" providing smooth and efficient light

Low-profile design allows for installation in ceilings with limited space

Absolute White™ natural light output

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Ordering N	

Family	Size	Shape	Watts	Driver Option	Beam Spread	Color Temp	CRI	Cone Color	Trim Colo
RDLED									
	<b>6</b> = 6"	R = Round	<b>12</b> = 12W (4" only)	D = Universal Dimming	<b>50</b> = 50°	YY = 2700K (Residential Warm)	Blank = 82 CRI	B = Black	W = Whit
	<b>4</b> = 4"		<b>20</b> = 20W		<b>80</b> = 80°	<b>Y</b> = 3000K (Warm)	HC = 92 CRI		
			<b>26</b> = 26W (6" only)		W = Wall Washer	YN = 3500K (Warm Neutral)			